

The Greatest MUM Bargains of 1957



Surprise Collection

play in the fall or for cutting bouquets for the house, then you can save money by ordering this special Mum garden. to-bloom plants, but come to you unlabeled as to name. See for how little money you can have a big Surprise Collection. It includes every color and type shown in this catalog. All are first-quality, sure-If you do not care about the names of your Mums, but just want to grow them for a gorgeous dis-

5 for \$1.55; 10 for \$2.90; 25 for \$6.75; 100 for \$25.00

What Other People Say:

re Chrysanthemums I ordered back in the spring are blooming so beautifully. Surprise Collection I ordered are the most beautiful blooms and colors I ever seen. They are just wonderful and each one is different.—Mrs. E.A.

Rutland, Vt. I am enclosing my check, for which please send me the Surprise Collection. I ordered this collection last year and was very well pleased.—H.McM.

Last year I had your Surprise Collection of 25 and I was sure pleased with them. They grew and bloomed nicely.—E.E.

They grew and bloomed nicely.—E.E.

St. James, Minn.
Please send me your Surprise Collection. This is the third time I have sent for
this collection and I certainly have received some beautiful Muns this way.

—Mrs. M.L.

this collection and I certainly have received some beautiful Mums this way.

—Mrs. M.L.

This is now the third time that I have given you an order for the Surprise Collection, and I have never ordered any other by name. The reason for this is that the Surprise Collection offers all the varieties and colors wanted in a small garden. They have never been a disappointment.—H.O.R.

I had your Surprise Collection last year and I was very pleased with the types and colors. The plants arrived in perfect condition.—M.E.F.

Mums from Minnesota

The Home of Better-Grown and Sure-to-Bloom Mums

WE SPECIALIZE. We grow only Garden Mums and we grow them well. Our very modern establishment is located in southern Minnesota and has been built especially for the growing of better Garden Mums.

Dependable blooming dates, descriptions and growth data are recorded each year from actual observations in our own test gardens. This enables us to offer only the newest and most dependable varieties.

You can be sure of better-grown, better-packed and sure-to-bloom Mums when you order from us. Plants will be ready and available from February 15 to June 15.

D., Double: SD., Semi	-double S	Single	SP Spoon

				uble; S., Single; SP., Spoon			
Name and Description Height in Inche	Blooming s Date	Pr Each	Per 3	Name and Description Height in Inche		Each P	rice Per 3
Admiral. D. Pictured p. 17. Rich velvety dark red that is glorious for cutting or garden display	Oct. 5	\$0.75	\$2.00	Charles Nye. D. (Kraus.) Pictured p. 12, 19. Large, 3-inch, fully double, rounded flowers of buttercup-yellow. Excellent. The standard by which all other yellows			
Large flowers in a medley of gleaming peach and bronzy salmon	Sept. 24	1.00	2.50	are judged	Sept. 28	\$0.50	\$1.25
Adorable. D. (Lehman.) Pictured p. 9, 27. This new pink has everything: large flower, early and dependable bloom, gorgeous color and breathtaking beauty.				Gorgeous, bright aster-purple, slightly incurved. Does well in the North24 Chiquita. D. (Kraus.) A compact, domeshaped pompon of deep lemon-yellow.	Sept. 4	.50	1.25
Color clear bright rose-pink with salmon reverse	Sept. 15	.75	2.00	One of the finest yellow pompons 20 Chris Columbus. D. (Rosebud.) A most	Sept. 28	.60	1.50
Alert. D. (Becker.) Large, early, dark purple with a silvery cast. Very fine22 Apache. D. (Kraus.) Pictured p. 12, 28. Orient-red to dark brilliant firecracker-	Sept. 20	.60	1.50	outstanding ivory-white. Luxuriant growth; unexcelled for cutting26 Companion. D. (Lehman.) Pictured p. 9. Reliable early-blooming, fully double gold-	Sept. 28	.60	1.50
red with golden overcast. Quilled petals. Very tough, weather-resistant flowers, 4 to 5 inches in diameter. In bloom from mid-September to November	Sept. 15	. 75	2.00	en bronze. A grand companion to the darker Early Kathleen. Excellent long stems for cutting	Sept. 15	.75	2.00
Apricot Glow. D. (Bristol.) Pictured p. 12. Rich bright apricot-orange. A summer-flowering cushion type17 Apricot Spoon. SP. (Lehman.) A pleas-	Sept. 11	.60	1.50	ruby-red, large double flowers. A truly magnificent plant	Sept. 28	.60	1.50
ingly different spoon of light apricot-rose. Extremely free flowering	Oct. 5	.60	1.50	us a good cushion in light yellow12 Crown Jewel. D. (Kraus.) A 3-inch, currant-red flower with a brilliant sheen. Strong, sturdy, free-blooming through	Sept. 18	.60	1.50
reddish chestnut. The best early bronze. 15 Avalanche. D. (Dreer.) Pictured p. 17. Large, shaggy white with cream center. Everyone's favorite. Good for early cut-	Sept. 4	.50	1.25	October	Oct. 1	.75	2.00
ting	Sept. 4	.50	1.25	upright plant. Could be described as a glorified Beacon that blooms two weeks earlier	Sept. 25	. 75	2.00
Betty. SD. (C-P.) Pictured p. 19. Splendid upright rose-pink without a trace of		.60	1.50	orange-chestnut overlaid with mahogany. Everyone likes it	Oct. 8	.50	1.25
magenta. One of the finest pinks28 Biretta. D. (Kraus.) Glowing soft cardinal-red. Tall, upright plant in bloom		.50	1.25	of light lavender-lilac aging to soft white with silvery cast. Very early	Aug. 27	.50	1.25
last week in September through October34 Blanche Litwiller. D. (Kraus #2078.) New 1957! This incurved lavender-pink pompon is excellent for cutting and floral work. Three or four 2½-inch flowers are borne on long stems and become ball	Sept. 23	.60	1.50	1957! Pictured p. 15. The newest and best single in existence. Flower opens beautiful ivory changing to pure alabaster-white, with three to four rows of wide flat petals with rounded ends. Pure gold, 1-inch center. Tall, base-branched			
shaped when fully open		1.00	2.50	stems give glorious long cutting stems 30 Dark Red Gold. D. (Lehman.) A pleasing dark ruby color. Very early 20 Defiance. D. (Kraus.) A bold flower of	Sept. 22 Aug. 20	1.00 .50	2.50 1.25
Bronze Giant. (Lehman.) Pictured p. 14. Imposing flower of bright intense bronze in decorative form. 5-inch blooms pro-	Oct. 7	.60	1,50	intense golden yellow with quilled petals. Exceptionally firm substance. Strong, upright plant with excellent cutting stems 26 Delight. D. (Lehman.) Pictured p. 9.	Sept. 17	. 60	1.50
duced in quantities on perfect upright stems, ideal for cutting	Sept. 22	1.00	2,50	Large, perfect flower of golden yellow. Excellent plant and foliage. We consider this the best early yellow	Sept. 7	.60	1.50
yellow, later taking on bronze tints. Perfect bush habit. Magnificent!!30 Carnival. D. (Bristol.) Pictured p. 11. A large, gleaming burnt-orange flower.	Sept. 26	1.00	2,50	Earliest fully double, bright rosy lavender. Usually the very first Mum in our collection to bloom	Aug. 20	.60	1.50
An excellent plant with lusty green foliage	Oct. 10	.75	2.00	pompon flowers of bright crimson on stiff upright plants. Very hardy26	Sept. 14	.60	1.50

	Blooming es Date		rice Per 3		nt Blooming les Date	Pr Each	ice Per 3
	es Date	Each	rer 3		25400	LJUCII	1013
Very early! Bright golden yellow pompon with dark foliage. Excellent for pots or borders	Sept. 4	\$0.50	\$1.25	Gold Daisy. S. (Lehman.) New 1957! Our best gold single to date. Opens gold to canary-yellow, with big, dome-shaped, golden center. 3-inch flowers on 20-inch			
Early Harvest. D. (Kraus.) Pictured p. 9. A mass of charming mahogany-orange flowers for two months. Superior				Gold Spoon. D. (Lehman.) Pictured p. 20.	Sept. 17	\$1.00	\$2.50
to all popular cushion varieties	Sept. 7	.60	1.50	Large flower of gold shading to aureolin- yellow on a dwarf plant. Tube longer than spoon and always about the same	0 . 4	60	4.50
coppery bronze. A dead ringer in both color and form for the popular Kathleen Lehman, but two to three weeks earlier. Wonderful for cutting	Sept. 12	.75	2.00	Golden Fantasy. D. (U. of Minn. #49-9-1.) New 1957! The ultimate in carnation-	Oct. 1	.60	1.50
Early Lavender. D. (Kraus.) A delicate- toned, early-flowering, pure pearly lav- ender with slightly deeper center. Free	Эсра 12	.17	2.00	flowered Mums. Petals are tubular, three- pronged and forked. Clean, dark green foliage and strong, upright growth en- hance the bright gold flower. A must for			
flowering and vigorous cushion	Sept. 20	.60	1.50	all Mum gardens. Completely different 20 Golden Mound. D. (Lehman.) Pictured p. 18. Excellent golden yellow cushion.	Sept. 20	1.00	2.50
Wide petals and fine texture with clear coloring make this our best very early white	Aug. 28	.75	2.00	Numerous 2-inch flowers on short, dark green branches	Sept. 12	.50	1.25
Edna Rowley. D. (Kraus #2081.) New 1957! A multitude of ruby-eyed buttons. Over 500 lavender-pink, ruby-centered				large, satin-smooth white flowers completely cover the strong plants. Husky and vigorous grower	Oct. 2	1.00	2.50
pompon flowers cover this mound-shaped plant. Excellent for cut flowers and floral arrangements. Edna Rowley is definitely the most prolific-blooming Mum we grow .24	Sept 26	1.00	2.50	Granny Lehman. D. (Lehman #1207.) New 1957! Pictured on front cover. Sparkling, heavy-textured, pure white			
Ermine. D. (Kraus.) Pictured p. 12. Wide-petaled, pure white with cream center. Tall, sturdy plant and vigorous	эсри. 20	1.00	2,50	with striking petal arrangement. Loose branching plant produces long cutting stems with six gorgeous flowers. Excellent for arrangements and does not			
grower. Excellent when cut	Oct. 1	.60	1.50	Harvest Bronze. D. (U. of Minn.) A rich apricot-bronze with a gold undertone.	Sept. 20	1.00	2.50
true pearly shell-pink. Flowers are stylishly tailored with closely imbricated petals. Extremely healthy foliage and				Large, 3-inch flowers on a low plant. Very early	Aug. 20	.60	1.50
grand stems for cutting		1.00	2.50	flared yellow. Strong, clean growth with beautiful dome-shaped individual flowers .30 Holiday. D. (Kraus.) Pictured p. 28.	Sept. 25	1.00	2.50
Fascination. D. (Bristol.) Stunning 4-inch silvery lavender-pink, a little deeper at center; buds rosy red. Early flowers	Зері. 10	.60	1.50	Strong plant supporting an abundance of bronze-gold flowers with pure bronze center. Large flower, excellent when cut. 24	Sept. 27	.75	2.00
almost pure white	Sept. 28	.75	2.00	Honeycomb. D. Pictured p. 10. Formal golden yellow pompon	Sept. 28	.75	2.00
Petals open somewhat spoon shaped. Tall, showy grower	Oct. 1	.50	1.25	tints. Hardy and a good cut flower 30 Indian Red. D. (Lehman.) Pictured p. 12. Large, Indian-rust-colored Mum.	Oct. 10	. 75	2.00
tured p. 19. An extremely early, large-flowering, incurved bronze. Very tall, strong, upright plant	Sept. 22	.75	2.00	Petals radiate from a unique center swirl which gives bold flower distinctive charm. 26 Innocence. D. (Grand Mere.) Perfectly	Oct. 3	.75	2.00
Fred Stone. D. (Kraus.) Large, very dark bright red. Brilliant color. Extra good disbudded	Oct. 1	.75	2.00	formed, 4-inch, pure chalk-white blooms on stiff stems	Oct. 12	.75	2.00
Gammy. D. (Lehman.) New 1957! An extremely prolific, deep rosy lavender pompon. Flowers completely double, with very fine substance and beautiful				tifully quilled white spoon, early and very free flowering	Sept. 20	.75	2.00
Garden Queen. D. An old standby in apricot-bronze. Extremely early flower-	Sept. 20	1.00	2.50	Sparkling bright rose-pink pompon. Excellent for pots or short-stemmed cuts. Really a jewel	Sept. 25	.60	1.50
ing and very winter hardy	Aug. 20	.50	1.25	garnet-lake shading to purple; bright yellow center. Makes an excellent border 18 Josephine Ferris. D. (Kraus #2057.)	Sept. 10	.50	1.25
purple tubes and a domed yellow center 26 George Luxton. D. (Lehman.) An extremely early, full double, wide-petaled, soft bronze flower 3½ inches in diameter. Excellent plant with abundant base	Oct. 4	.60	1.50	New 1957! 2-inch white pompon with a pink to lavender halo	Sept. 15	1.00	2.50
branches. Excellent for cutting	Sept. 12	.60	1.50	behold. Color clear, distinct and beautiful	Sept. 26	.75	2.00
free-flowering plant. Winter hardy and one of the first to bloom	Aug. 28	.50	1.25	Opens crimson, mellowing to a deep clear red. Plant all aglow for weeks	Oct. 1	.60	1.50
with brilliant Spanish-orange eye spots. 1½-inch button pompon flower, completely double	Sept. 10	1.00	2.50	shaped pompons. Flowers white aging to lavender, with white center. Very tidy plant	Sept. 27	1.00	2.50

Name and Description Height in Inches	Blooming Date	Pr Each	Per 3	Name and Description Height in Inches	Blooming Date	Pr Each	rice Per 3
Julie B. D. (Lehman #1216.) New 1957! Pictured p. 15. A wonderful white button pompon. Shows slight cream center when fresh but turns completely white and ball shaped, with no eye, when fully open. Upright cushion growth. Good for cut- ting	Sept. 20	\$1.00	\$2.50	Minnpink. D. (U. of Minn. #53-217-1.) New 1957! The most gorgeous color of all the compact, early pink cushion varieties. Thousands of clear, clean rosepink flowers completely hide the mound-like plant	Sept. 20	\$1.00	\$2.50
Kathleen Lehman. D. (Kraus.) Pictured p. 11. Brightest orange-gold, deepening to red-gold at center. Exciting bronze shades	•	.60	1.50	Immense, disk-like flowers of sparkling golden bronze. Huge blooms. An exhibitor's favorite	Sept. 27	1.00	2.50
King Cushion. D. Bronze tints neatly contrasted. One of the best bronze cushions		.50	1.25	p. 28. Fully double, 4-inch flowers of light primrose-yellow aging to deep cream early in the season. Later in the season it			
Lady's Choice. D. (Lehman.) Pictured p. 14. A large pastel, which could be described as pink-ivory. A fully double, 4-inch flower on a magnificent plant. Fine				picks up a lavender tint much like Peace Rose. Another American variety show- ing the large flower influence of English blood. Extremely thrifty plant	Sept. 25	.75	2.00
for arrangements	Sept. 26	.75	2.00	Myrtle Walgreen. D. (Kraus.) Rich amaranth-purple underlaid with silvery lilac, aging to clean, clear mallow-purple. Excellent	Sept. 28	,50	1.25
button introductions. Lavender-blue pompon flower with darker center. Good, free blooming and similar in flower to Masquerade. Plant very tall28 Lee Powell. D. (Kraus.) Pictured p. 12,	Sept. 15	.75	2.00	New Drifted Snow. D. (Lehman #1197.) New 1957! Heavy-textured, 3-inch, fluffy white blooms for nearly two months. Very clean plant with spreading growth.			
19. Masses of fluffy Chinese-yellow flowers with a slight orange tinge at center. Very similar to large greenhouse varieties. Tall, upright bush	Sept. 23	.60	1.50	New Martin's White. D. (Lehman #1242.) New 1957! A larger, more vigorous plant and flower than Martin's White. Absolutely pure white, wide-petaled, 4-	Sept. 10	.75	2.00
Lemon Drop. D. (Lehman.) A yellow button pompon with a slight green overtone radiating from the center. Extrafine foliage and habit. Very hardy17	Sept. 8	.50	1.25	inch flowers with light green foliage on cushion plant. In bloom for two months20 New Paper White. D. (Lehman #1145.) New 1957! Improved plant and flower of	Sept. 20	.75	2.00
Lester Stutz. D. (Kraus #1533.) New 1957! Tall, strong-growing, orange-bronze, pompon, recurved and ball shaped. Older flowers Spanish-orange	0 1	4.00	2.50	old Paper White. Wide, glistening, twisted, purest white petals completely cover the plant. Extra vigorous growth16 Nye's Favorite. D. Masses of layender-	Sept. 6	.75	2.00
with coral shades		.60	2.50 1.50	pink flowers with golden shadings24 Old Lavender. D. (Lehman.) Pictured p. 15. Large, massive, pure lavender self flowers on strong, sturdy stems. Large,	Sept. 12	.60	1.50
Lipstick. D. (Grand Mere.) A grand, bright mound of sparkling crimson-red flowers on compact plants22		.75	2.00	brighter and earlier than Lavender Lady. 34 Orchid Helen. D. (Becker.) Pictured p. 12, 18. Sturdy, orchid-pink flowers of un-		.75	2.00
Loveliness Spoon. D. (Lehman.) Pictured p. 20. A superb, fully double, carmine-pink spoon. Unique20 Magenta Spoon. D. (Lehman.) Pic-	Sept. 26	.60	1.50	usual beauty. Very strong, healthy 18 Orloma. D. (DePetris.) Apricot-red pompon on compact plant		.60	1.50 1.50
tured p. 20. Lively magenta-rose spoon flowers in profusion	Oct. 1	.60	1.50	orative. Bushy cushion growth habit24 Ostosa. D. (DePetris.) A top-notch new pure white pompon on a semi-dwarf plant.	•	.60	1.50
Malinda Brown. D. (Kraus.) Pictured	Sept. 25	.50	1.25	Paper White. D. (Lehman.) Pictured p. 9. Extra pure white flowers on dwarf plant. Excellent-textured, wide, flat pet-	Sept. 25	.60	1.50
p. 12. A magnificent clear self lavender- pink. Flowers globular, mounded at center; petals strongly incurved and twisted. Very strong and healthy24	Sept. 27	.60	1.50	als. Does exceptionally well in the North.18 Patricia Lehman. D. (Kraus.) Pictured p. 28. Sparkling geranium-pink with peach center. Recurved and twisted	Sept. 10	.50	1.25
Marie Hartman. D. (Kraus. #1656.) New 1957! Large, canary-yellow flower 4 inches in diameter. New flowers cover old bloom to give fresh appearance for a full				petals give a fluffy, feathery effect. Strong growth, good for cut flowers	Sept. 28	.60	1.50
month	Sept. 28	1.00	2.50	overlaid with cream tints. Extremely delicate and refined. Four-inch, full flowers	Sept. 28	.50	1.25
ers very large, fluffy and exquisite light yellow		.60	1.50	shading to salmon-pink in center. A gorgeous thing	Sept. 25	1.00	2.50
purple. Excellent for cutting	Sept. 26	.60	1.50	red with bronze shadings. Flowers produced in abundance on strong cutting stems. A distinct novelty30 Polaris. S. A golden yellow daisy with two	Sept. 24	.75	2.00
plant. Flowers completely smother the plant	Oct. 6	1.00	2.50	rows of wide, stiff petals and large yellow center24	Oct. 5	.75	2.00

	ight Bloom iches Date		Price Per 3	Name and Description Height in Inches			rice Per 3
Polar Ice. D. (Kraus.) Clear ice-white, double, 3-inch flowers. Very free flower-				Sonny. D. (DePetris.) Small salmon-pink button pompon. Fine for cutting28	Oct. 1	\$0.75	\$2.00
Powderpuff. (Bristol.) A miniature avalanche of ivory-white flowers produced on		\$0.60	\$1.50	Spellbound. D. Husky, decorative plant with flowers of delicate pink	Oct. 1	.75	2.00
Pumpkin Spoon. SP. (Lehman.) Plant densely branched, with 3-inch flowers of persimmon-orange aging to Stafford-yellow. Tubes tend to open when ma-	10 Sept. 1	5 . 75	2.00	Spindrift. D. (Bristol.) Pictured p. 11. Luscious pure white with cream center. Slight cactus flare, like a dahlia. Three- inch flowers on 2-foot plants. Wonderful when cut	Oct, 3	. 75	2.00
Purple Spoon. SP. (Lehman.) The very earliest good-flowered spoon in our entire	30 Sept. 3	0 .60	1.50	Success. D. (C-P.) Pictured p. 11. Large, rich, never-fading flowers of deep crimson. Rigid, upright plant. Very clean	Oct. 7	1.00	2.50
collection. Both tubes and spoons soft purple. Purple Waters. D. (Lehman.) Pictured p. 14. The best early deep purple in our collection. Completely double, 3-inch	22 Sept. 2	0 .75	2.00	Sunstone. SP. (DePetris.) Masses of soft yellow quilled spidery spoons on vigorous plants. Outstanding for flower arrangements and fine for garden decoration	Oct. 8	. 75	2,00
flowers completely smother the 2-foot plant. If you like purple Mums, this will please you	24 Sept. 1	7 . 75	2.00	Tecumseh. D. (U. of Nebr.) Opens erthrite-red, aging to buffy bronze with pink edges. Cushion growth		•50	1,25
Red Elf. SD. (Lehman.) Dwarf, clean, bright red pompons on tiny plants not over 12 inches tall	12 Sept. 9	.50	1.25	Theresa Stone. D. (Kraus.) A glorious creamy white pompon with a drifting sheen of primrose and ivory. Very perky. 20		.75	2.00
Bright single red. A replacement for Louise Schling. A bit late but frost hardy. A mass of striking color Redglow. D. (Kraus.) Dark glowing red	30 Oct. 5	,50	1.25	Thurza Russell. D. (Kraus #1972.) New 1957! Pert cream button pompon with greenish yellow center. Very early-blooming cushion	Sept. 10	1.00	2.50
pompon flowers in abundance. Courageous-type plant. Excellent habit Reflection. D. (Lehman.) An extremely free-flowering, deep rosy lavender. Com-	30 Sept. 2	.60	1.50	Time. D. (C-P.) Pictured p. 11. Very attractive, large, live, orchid-lavender blooms. Clean, medium-tall plant24		.75	2.00
pletely covers itself with bloom. Replaces Cecil Beed	24 Sept. 2	6 . 75	2.00	Tribute. D. (Kraus.) Pictured p. 17. Large, fully double flower opening bright daphne-red and maturing to daphne-pink.22 Violet. D. (Longley.) Pictured p. 9. The	Sept. 14	.60	1.50
ruby-carmine color that is retained for the life of the flower. One of the very best reds. Frost hardy	24 Sept. 2	7 . 60	1.50	best very early purple. Full dahlia-like bloom with good color and substance20 Vulcan. D. (U. of Minn.) Pictured p. 27. Deep crimson flowers with a rusty sheen	Aug. 26	,50	1.25
light chamois-yellow. Gives early individual flowers on 6 to 8-inch stems Rouge Cushion. D. (Lehman.) Pictured p. 9. A far superior red cushion. Intense	22 Sept. 3	.75	2.00	on low, compact plants. This is our best very early red to date	Sept. 5	.75	2.00
red flowers show a small bright yellow center when matured	15 Sept. 2	0 .60	1.50	27. Wonderfully free and early-flowering, pure soft lavender pompon. One of the very first to bloom	Aug. 24	.60	1.50
sheen reflecting from the center. A very good all-round variety. Color superb Ruby Breithaupt. (Kraus.) Large, domed, shaggy flowers of pleasing light	27 Sept. 2	5 .75	2.00	feathery, pure white. Strong plant. We consider this the most satisfactory of all white Mums for garden planting26 White Cushion. D. Strong-growing white	Sept. 20	.60	1.50
primrose-yellow. Excellent as a disbud Ruby Spoon. D. (Lehman.) Pictured p. 20. Large, bold, firm, spoon-type flower	28 Oct. 1	1.00	2.50	with a trace of pink		.50	1.25
of bright ruby-red				tiful companion for Masquerade	Oct. 6	1.00	2,50
Ruth Scott. D. (Kraus #1967.) New 1957. Fine reflexed, incurved golden			1.50	growth, branching from ground, makes excellent cutting material	Sept. 23	1.00	2.50
bronze, 4½-inch flower	20 Sept. 1		2.50 1.25	Strong-growing, large snow-white. A timely cutting and garden Mum28 Yellow Avalanche. D. (Lehman.) Pictured p. 27. A brilliant soft will be be a large to the soft will be a large to the soft will be be a large to the soft will be a large to the s	Oct. 2	.60	1.50
rose-pinks Silverplate. D. Strong white pompon. Excellent cut flower.	22 Sept. 224 Oct. 1	6 .50 .75	1.25 2.00	tured p. 27. A brilliant soft yellow bud sport of the popular white Avalanche. Unexcelled for cutting and unsurpassed in beauty	Sept. 4	.50	1.25
slightly cream at center. Petals rolled and pointed. Mound or cushion-like plant. Snowspoon. SP. (Kraus.) Large, shasta-	20 Sept. 2	8 .50	1.25	Yellow Blanket. D. (Peck.) Pictured p. 10. Very free-flowering, clear yellow button. Tops for cutting	Oct. 10	.60	1.50
daisy-like, duplex pure white with golden center. This is one of the finest new spoons ever developed and a variety we have waited ten years for. Extremely free				Yellow Chris Columbus. D. (Neal Bros.) An extra bright lemon-colored sport of Chris Columbus	Sept. 15	.60	1.50
flowering. Base branching; excellent for cutting and arrangements		8 .60	1.50	Bright clear golden yellow tubes and spoons22	Oct. 8	.60	1.50

5 All-American Red

Admiral Apache Courageous Crown Jewel

Early Crimson

5 Sure-to-Bloom Plants
(1 of each)

\$2.90

(\$3.45 value)

5

All-American White

Ermine Ostosa

White Sail White Cloud

Winterset

5 Sure-to-Bloom Plants

\$2.80

(\$3.40 value)

All-American Lavender-Pink

Evelyn Devaney Old Lavender

Malinda Brown Patricia Lehman

Reflection

5 Sure-to-Bloom Plants
(1 of each)

\$3.00

(\$3.70 value)

SPECIAL OFFER!

30 All-American Mums

(1 of each listed on this page)

\$16.50 POSTPAID

5 All-American Bronze

Autumn Beauty George Luxton
Crowning Glory Holiday
Kathleen Lehman

5 Sure-to-Bloom Plants
(1 of each)

\$2.85

(\$3.20 value)

All-American Yellow

Charles Nye Lee Powell Delight Muriel Rice

Ruthann Lehman

5 Sure-to-Bloom Plants

\$2.75

(\$3.05 value)

All-American Purple

Alert Chippewa Myrtle Walgreen Purple Waters Royal Robe

5 Sure-to-Bloom Plants
(1 of each)

\$2.75

(\$3.10 value)

INTRODUCING THE 1957 MODELS

"The Mums of Tomorrow"

Here we are presenting to American gardens these new Garden Chrysanthemums for 1957. These are the very best selections of thousands of seedlings which have been extensively tested. We know they are good and will replace many varieties now on the market. All are new. You should try them. We know you will like them.

NEW KRAUS MUMS FOR 1957

Dr. E. J. Kraus of Corvallis, Ore., has perhaps grown more seedling Mums than any other person in America in the past twenty years. He has raised over a half-million seedlings, and those selected for naming and introduction are the cream of this very large number. He is a very critical judge of flowers, and only the best are retained for introduction. The color and form of the flowers must be perfect, and they must have good petal substance. The plant must be disease resistant, with good growing habits and ornamental foliage. If you plant Kraus Mums, you can be assured you plant the very best.

BLANCHE LITWILLER (Kraus)

New 1957! The most outstanding pink pompon we have ever seen. Flowers lavender-pink, completely double, with very firm petals. Blooms are lavishly produced on good strong plants. Excellent for cutting. Late September to frost. \$1.00 each.

EDNA ROWLEY (Kraus)

New 1957! The perfect pink button pompon that we have been waiting years for—the answer to a prayer! Hundreds of rose-colored buttons with a ruby eye completely cover the dense plants with color for weeks. Grand in the garden and wonderful for arrangements. September blooming. \$1.00 each.

ELLEN ROBERTS (Kraus)

New 1957! We have consistently rated this as one of the very best pink garden Mums. Fully double, light lavender-pink flowers that do not fade but hold their clear pink color. Plant strong and stands up well. Late September blooming. \$1.00 each.

EVELYN GARREN (Kraus)

New 1957! One of the largest fully double, lilac-lavender, incurved varieties we have seen. Shows the influence of crossing with the large-flowered, early-blooming English kinds. A large and beautiful flower on a strong plant. Early October. \$1.00 each.

GOLD BUTTON (Kraus)

New 1957! A very early-flowering, pure gold button pompon with a Spanish-orange eye spot. Splendid bush and early flowering habit make this one a favorite of everyone. \$1.00 each.

JOHN FURST (Kraus)

New 1957! Here is a typical fall color in Mums. Fully double, brilliant glistening orange. Wonderful strong plant and beautiful flowers. You must grow this one. Early October to severe frost. \$1.00 each.

JOSEPHINE FERRIS (Kraus)

New 1957! Fully double, large, clean flesh-white pompons with plum-colored center. A most attractive flower, produced on a large, spreading, mound-like plant. This one must be seen to be appreciated. \$1.00 each.

JUDY (Kraus)

New 1957! A most outstanding creation. A large, ball-shaped, fully double pompon on a beautiful compact plant. Color on opening is deep lavender-pink, and as the flowers age the center becomes white with deep lavender outer petals. Contrast in color is very pleasing. Early September to frost. \$1.00 each.

LAWRENCE BLANEY (Kraus)

New 1957! This one is rated very highly by us. Flowers are firm, produced on good cutting stems and are glistening orange-red. Petals are delightfully twisted and somewhat quilled. \$1.00 each.

LEE DICK (Kraus)

New 1957! With the new type of architecture in our homes, the need is for more and better low-growing or cushion types. Here we have a beautiful golden yellow mound that completely smothers itself with flowers. \$1.00 each.

LESTER STUTZ (Kraus)

New 1957! Fully double, early, large orange-bronze that will delight anyone who plants it. Flowers produced on strong, healthy plants with excellent cutting stems. Mid-September to frost. \$1.00 each.

MARIE HARTMAN (Kraus)

New 1957! A big flower on a short, compact plant. Flowers are fully double, large and fluffy, and a lovely shade of deep primrose-yellow. A very early and dependable bloomer. Early September to frost. \$1.00 each.

ROBERT BROWN (Kraus)

New 1957! A strong-growing, white pompon with primrose center when flowers are young. Later flowers turn pure white. Excellent long stems for cutting. Late September. \$1.00 each.

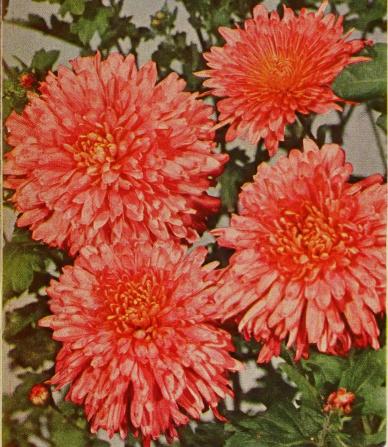
RUTH SCOTT (Kraus)

New 1957! Our favorite of all the large bronze Mums. Flowers are a flaming golden chestnut-bronze, with outer petals reflexed and inner petals recurved, with a pretty swirl in the center. A wonderful new Mum. \$1.00 each.

THURZA RUSSELL (Kraus)

New 1957! Something entirely new in pompon Mums. The small pompon flowers are lavishly produced on short, compact plants. Color is greenish cream or a candlelight shade of yellow. Very pretty. Early September. \$1.00 each.

Special Offer: 1 each of the 1957 MODELS \$10.00



ADORABLE. 75c each; 3 for \$2.00



VIOLET 50c each; 3 for \$1.25



DELIGHT. 60c each; 3 for \$1.50



PAPER WHITE 50c each; 3 for \$1.25





EARLY HARVEST 60c each; 3 for \$1.50

7 Earliest MUMS

A selection of the very best of the very earliest flowering Mums. All begin blooming in late August and early September.

7 Sure-to-Bloom Plants

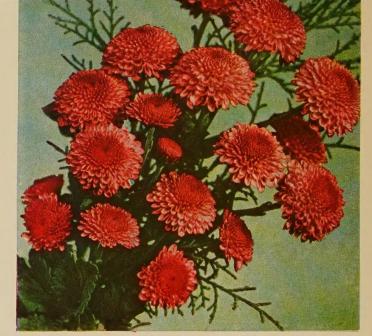
\$3.50



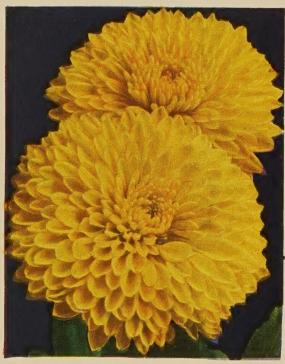
9



BUTTON POMPONS



MASQUERADE. \$1.00 each; 3 for \$2.50



HONEYCOMB. 75c each; 3 for \$2.00

9 Perky **POMPON** COLLECTION

Everyone's favorite. The trim, compact, very double flowers are ideal for arrangements. The blooms, although small, are lavishly produced on compact plants which are completely covered with flowers. flowers.

One of each pictured here PLUS:

Edna Rowley. New. Pink button pompon with ruby eye.
Chiquita. Lemon-yellow button.
White Masquerade. New. Exactly like Masquerade except that the color is clear lavender-white.

9 Sure-to-Bloom Plants SPECIAL PRICE \$4.50



YELLOW BLANKET. 60c each; 3 for \$1.50



EARLY CRIMSON. 60c each; 3 for \$1.50



JEWELTONE (Pink). 60c each; 3 for \$1.50 JUBILEE (Red). 60c each; 3 for \$1.50



KATHLEEN LEHMAN. 60c each; 3 for \$1.50



SPINDRIFT. 75c each; 3 for \$2.00



TIME. 75c each; 3 for \$2.00

6 GOLD MEDAL Mums

A wonderful selection of some of the most beautiful garden Mums. All are prizewinners.

6 Sure-to-Bloom Plants

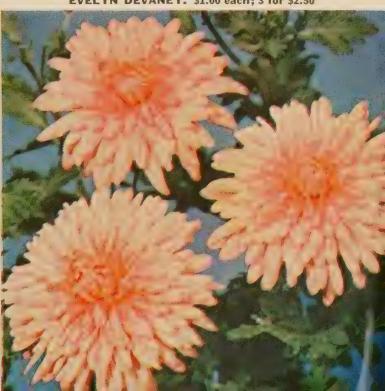
\$3.60



SUCCESS. \$1.00 each; 3 for \$2.50



EVELYN DEVANEY. \$1.00 each; 3 for \$2.50





CHARLES NYE. 50c each; 3 for \$1.25



CYDONIA. 50c each; 3 for \$1.25



HUNTSMAN. 75c each; 3 for \$2.00



ORCHID HELEN. 60c each; 3 for \$1.50



ERMINE. 60c each; 3 for \$1.50



LEE POWELL. 60c each; 3 for \$1.50



INDIAN RED. 75c each; 3 for \$2.00



DOZEN MUM COLLECTION

A grand assortment of all colors, types and blooming seasons that will give one a complete Mum garden.

12 Sure-to-Bloom Plants (one of each pictured) plus 1 Butterscotch (see page 28)

12 Plants for \$5.25

A SENSATIONAL BARGAIN!



YELLOW SPOON. 60c each; 3 for \$1.50





LADY'S CHOICE. 75c each; 3 for \$2.00

BRONZE GIANT. \$1.00 each; 3 for \$2.50



Art with Mums



HILITE (Yellow). \$1.00 each; 3 for \$2.50 EARLY CRIMSON (Red). 60c each; 3 for \$1.50



PURPLE WATERS. 75c each; 3 for \$2.00

that last and last and last

All arrangements by Helen Cavanagh, Richfield, Minn.



JULIE B. \$1.00 each; 3 for \$2.50

8 ARRANGEMENT COLLECTION

Newer Mums of all types and colors. Ideal for arrangements.

8 Sure-to-Bloom Plants \$5.00

(1 of each pictured)

Our granddaughter Julie B. playing "He loves me, he loves me not" with Daisymum.

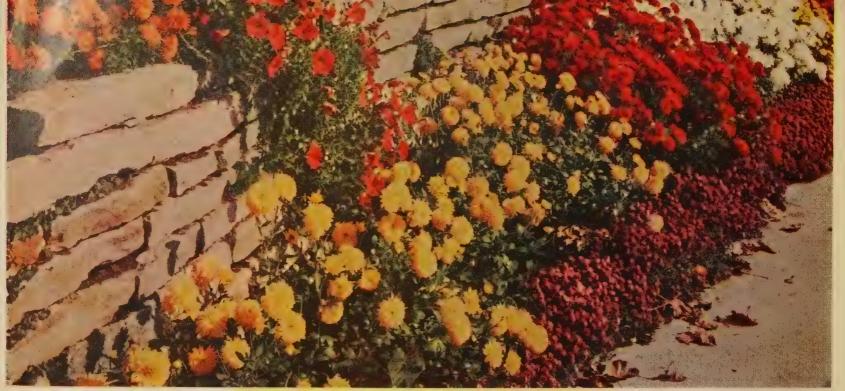




OLD LAVENDER. 75c each; 3 for \$2.00

DAISYMUM. \$1.00 each; 3 for \$2.50





What Other People Say:

Clearwater, Fla.

I recently ordered \$8.00 worth of Mum plants. All of the plants were in excellent condition and I am very pleased with the generous quantity which you sent. At list prices they amounted to considerably more than \$8.00—O.C.T.

Spokane, Wash.

I ordered Mums from you last March. I sent you \$5.00 and told you the approximate size we wished and you sent us 15 of the most beautiful plants I have ever seen. My wife and I are most happy about it and are telling all our friends where to get Mums.—D.W.F.

Let Us Make Your Selection

If you prefer to have personal, professional help in selecting the varieties for your particular needs, let us make your selection. Send us the amount you wish to spend for HARDY MUMS, tell us what color and types you prefer—whether for cutting or garden display, whether early, late or midseason varieties—and we will select the best in our large collection of over 200 varieties. You save approximately 30% by having us select your Mums.

You will be thrilled by the fine plants you receive. All will be labeled and SURE-TO-BLOOM.

What Other People Say:

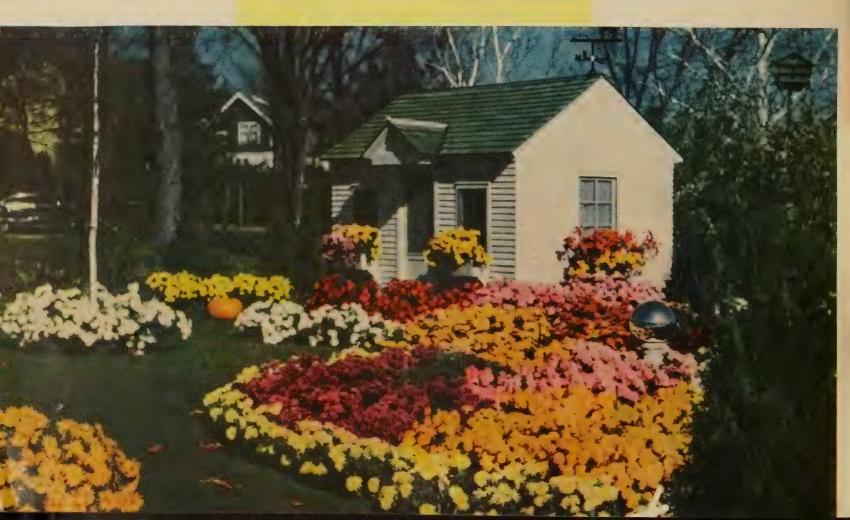
Stanley, Wis.

I ordered your selection of Mums last year and was delighted with the results. Never have I had such beautiful plants in my many years of gardening experience. I deeply appreciate your service and the pleasure your plants gave to me.

-Mrs. R.R.S.

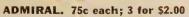
Enola, Penna.

Never in 25 years of gardening have I received so fine a shipment of plants. They were fine strong plants, expertly packed, fresh and not a single leaf disturbed.—Mrs. M.P.





AVALANCHE. 50c each; 3 for \$1.25





RED TORCH. 50c each; 3 for \$1.25



ADMIRATION. \$1.00 each; 3 for \$2.50



ROYAL ROBE. 75c each; 3 for \$2.00

Reliable MUM COLLECTION

If you want reliable and easy-to-grow Mums, this collection is for you. All types and colors repre-sented.

7 Sure-to-Bloom Plants

\$3.80



17



AUTUMN BEAUTY. 50c each; 3 for \$1.25



GLADNESS. 50c each; 3 for \$1.25



JUBILEE. 60c each; 3 for \$1.50

MAJOR CUSHION. 50c each; 3 for \$1.25



ORCHID HELEN. 60c each; 3 for \$1.50



MARTIN'S YELLOW. 60c each; 3 for \$1.50

COLOR MOUND COLLECTION

A selection of seven very fine early-blooming, lowgrowing kinds. Ideal for foreground or border edging.

7 Sure-to-Bloom Plants

\$3.00



GOLDEN MOUND. 50c each; 3 for \$1.25



BEACON. 60c each; 3 for \$1.50

7 Bouquet MUMS

Mums as cut flowers in the house seem to last forever. Plant this collection and pickarmfuls of wonderful long-stemmed flowers.

7 Sure-to-Bloom Plants

\$3.70



FOOTBALL BRONZE. 75c each; 3 for \$2.00



LEE POWELL. 60c each; 3 for \$1.50



BETTY. 50c each; 3 for \$1.25



WINTERSET. 60c each; 3 for \$1.50

EVELYN DEVANEY. \$1.00 each; 3 for \$2.50







MAGNETA SPOON. 60c each; 3 for \$1.50

GARNET SPOON. 60c each; 3 for \$1.50

Sterling SPOON MUMS

A complete color range in these popular novelties.

7 Sure-to-Bloom Plants

\$3.55



BLUSHWHITE. 60c each; 3 for \$1.50



GOLD SPOON. 60c each; 3 for \$1.50



LOVELINESS SPOON. 60c each; 3 for \$1.50



YELLOW SPOON. 60c each; 3 for \$1.50



RUBY SPOON. 60c each; 3 for \$1.50

1932 - 1957

MUM CHATTER

It is with humble pride that we review the blessings of the past 25 years. This business had a very small beginning in 1932, the year that our first catalog was issued. Any of you who are old enough to remember can well realize the trials and tribulations that went into the establishment of a business in those hectic days. This business is an outgrowth of a hobby garden, and from the day in 1932 that our first catalog was issued our business has increased each succeeding year and our loyal friends and customers have multiplied in number.

The Golden Rule has been our guiding motive from the very beginning. We hope that the millions of plants we have grown and sent you in these 25 years have given satisfaction and much pleasure to you who have grown them. This past winter we have spent considerable time reviewing the growth of the business and have gone through old files of thousands of compliments and encouraging letters from you, our friends, throughout the length and breadth of the land. We now have even a stronger desire to put forth our best to produce even more and better plants for your to put forth our best to produce even more and better plants for your garden enjoyment.

garden enjoyment.

The past season has been our largest in point of sales and also one of glorious fall bloom. We had seven uninterrupted sunshiny and warm weekends in the fall when our Mums were in bloom. This brought out over 40,000 visitors, and our fields were a fairyland of color for seven

weeks.

Some of the outstanding things in the older varieties this past season that performed well were Adorable, a luscious rose-pink and Evelyn Devaney, a clear shell-pink. Bronze Giant, Butterscotch, Mojave Gold and Muriel Rice—all had large flowers that stole the show. Crowning Glory, Old Lavender and Football Bronze were admired by nearly everyone. Early Crimson, with its sparkly mass of red, was a show-off. Early Kathleen and George Luxton gave us armloads of early cut flowers in bronze. Golden Fantasy, the new variety from the University of Minnesota, was the biggest novelty. Its masses of golden yellow flowers with its unique split and forked petal formation attracted much attention. Dr. Kraus' new pompons and button pompons made a hit with everyone. Among these, Edna Rowley, Gold Button, Blanche Litwiller, Thurza Russell and Judy were wonderful.

In our own breeding we concentrated on producing good early whites. With the introduction of Granny Lehman, White Sail, Early White, Julie B and Daisymum we now have all types in good, high-quality

Julie B and Daisymum we now have all types in good, high-quality white flowers that will make a grand showing in fall gardens.

Everyone has favorites, and these letters prove which varieties are popular across the country:

Mrs. Myron Mickelson of Colfax, N. Dak. writes: "I must write you and tell you about the beautiful Mums I got this spring from you. My **Butterscotch**, **Muriel Rice** and **Mojave Gold** are simply beautiful. I have never seen such large Mums and the plants are so husky. **Adorable** has been blooming quite a long time and was very nice too. **Ruthann Lehman** is also tops. **Reverence** is such a nice yellow and early. Must tell you again you have the nicest Mums of any nursery I know of."

yellow and early. Must tell you again you have the micest Mums of any nursery I know of."

I know of."

Another enthusiastic Mum grower is Mrs. Chas. J. Leasman of Hector, Minn.:

"I felt I must write you about the Mums growing in our midst which came from your gardens. They are indeed a pleasure and joy to our every-day living. I have pur-

chased your Surprise Collection three successive years and am indeed pleased with them—amongst them are Muriel Rice, White Cloud, Early Harvest, Early Pastel, Yellow Blanket, Gladness. It is unbelievable that a huge mass of blooms can come from such a small plant, just giving them a little attention and care. My friend buys the named plants. They are all lovely but some of my favorites to watch are: Evelyn Devaney, Purple Waters, Apache, Football Bronze, George Luxton, Butterscotch, Martin's White, Martin's Yellow, Prelude, and I'd say best of all Muriel Rice and Adorable, besides many others. I visit your garden every spring and fall and find it a pleasure each time I visit there."

Mrs. K. E. Nordmark of Brookings, S. Dak., is an old satisfied customer and writes: "I have been your customer for many years and have been pleased with your sturdy, sure-to-bloom plants. The Yellow Avalanche and white Avalanche are still my favorites. Dr. Longley, Autumn Beauty, Orchid Helen and Violet were simply loaded with blooms again and a gorgeous sight. I supply our church with Mums until about Thanksgiving. Charles Nye is another beautiful large yellow Mum. Holiday is a showy bronze-gold, Early Crimson a lovely red. The Lehman plants are very sturdy and hardy: consequently many shoots come up the next year, giving me ten to twenty additional plants per stock. Folks marvel that an amateur can have such prolifically blooming plants. Credit goes to the Lehman Mums."

Another bootser is Maying Lathers of Galesburg, Ill. "Your page interdactions."

next year, giving me ten to twenty additional plants per stock. Folks marvel that an amateur can have such prolifically blooming plants. Credit goes to the Lehman Mums."

Another booster is Maxine Lathrop of Galesburg, Ill.: "Your new introductions are the most gorgeous Mums I have ever seen. Patricia Lehman was the Mum I had dreamed about but never expected to see. My hat's off to you!"

From Mrs. Paul Warren of Boulder, Colo. come these good words: "I was so pleased with Snowspoon, which I ordered last year. It bloomed early and was beautiful in flower arrangements. Your plants arrive in good condition."

From Quincy, Ill., Mrs. F. A. Durand writes: "The Mums from The Lehman Gardens are really the best I have. Lee Powell was out of this world and Patricia Lehman the finest I've ever grown. Disbudded some and they were 5 inches across. I'm ordering the earlier blooming kind this year so we can enjoy them weeks longer."

Ruby Roys of Milwaukie, Ore., sent us this card: "The Mums from you this spring were the finest plants I have ever received and they have grown well. Evelyn Devaney is especially lovely and next year I shall plant Fred Stone next to it, as they have bloomed together for weeks."

Another Mum fan on the West Coast is Harold Willmsen of Grandview, Wash., who writes: "Mums were gorgeous this year. Butterscotch excellent, Purple Waters fine stems for cutting, Bronze Giant flowers 5 inches across, Adorable a definite eye-catcher, Ostosa excellent good-stemmed white, Crowning Glory fine stems and color but Football Bronze much larger."

Another cheer for Adorable from Mrs. C. E. Sandvig of Minneapolis, Minn.: "My favorite is still Adorable, and this year it was especially gorgeous—started blooming way ahead of time and was lovely all the rest of the season."

There are Mum lovers in the East too, for Harold M. Curtis of Stoughton, Mass., writes: "I received my order for Mums last spring and they were in perfect condition, as I never saw plants that were packed better for shipping. I was pleased with t

AN AIRVIEW OF THE HOME OF MUMS FROM MINNESOTA



-Mum Culture and Care

We believe our sure-to-bloom plants, grown from virgin cuttings, well established in 2½-inch pots and sent to you with a ball of good soil about the roots, are the most practical and economical to buy. Our Mother plants are grown as nature intended them to be—given a rest period of two months. This insures much more vigorous offspring than plants grown by many who use the artificial method of keeping the plants growing the year around, which decreases vigor and encourages premature budding. Our plants make big, healthy, blooming specimens by early fall. Our Mum stock is carefully grown and rogued, true to name, and state inspected. We take pride in having Mum plants with clean, healthy foliage clear to the ground. We have hundreds of letters in our files from every state in the country telling us how well our plants have done in all sections. Many of these plants were shipped over 2000 miles and still did remarkably well.

CULTURE

Garden Mums are among the easiest of all hardy plants to grow. They will tolerate almost endless neglect and still survive and give some bloom. To have them at their best, give them good culture, a sunny location, a rich soil and do not let them suffer for want of moisture during the hot summer.

Mums in the garden should be planted in an open, sunny location and should not be shaded by buildings, large shrubs or trees for more than three or four hours per day. Any fairly rich soil, be it sandy, clay or loam, that will grow other flowers and vegetables well, will also grow good Mums. There is no soil that Mums particularly favor; they will grow equally well in all. They love humus such as peat, leaf mold or barnyard manure. They will not thrive in a hardbaked and cracked soil. Loosen it up with peat so the water will penetrate and not run off when applied.

PLANTING

Spring is by far the best planting season. The proper planting time is when the spring garden work is well under way and the heavy, ice-freezing frosts are past. Planting can begin about the time early tulips begin to bloom and can be continued until peonies are in bloom. Here in Southern Minnesota this would be from about late April until mid-June. Farther south this date would be advanced according to the climate. Young plants always give the best bloom, so we recommend that clumps that have wintered be divided in the spring to individual shoots when they have made 4 or 5 inches of growth. You will be surprised how rapidly these small shoots will grow and how much better bloom they will give you than old crowded clumps.

SUMMER CARE

Good culture during the summer, with regular loosening up of the soil about the plants to maintain a constant supply of moisture, to aerate the ground and to keep weeds from becoming established, is all that is necessary to grow good Mums.

FERTILIZING

Our Mums are grown in a black loam soil to which peat has been added. Inasmuch as peat is completely deficient in phosphate, we use bonemeal or superphosphate well worked into the soil before planting, at the rate of a small handful per plant.

At planting time it is good practice to give your plants a head start by using one of the water-soluble fertilizers such as Ra-Pid-Gro, Plant Marvel, Hyponex or Instant Vigoro. Dissolve this fertilizer in water according to directions, and then make a saucer-like ring around each plant. Give each one a good soaking of about a gallon of this solution. This process can be repeated at one-month intervals during the summer for maximum growth.

If you prefer to use a dry fertilizer in place of the liquid, one or two applications will be sufficient. Roughly, about a small handful of commercial fertilizer per plant at about one-month intervals is sufficient. The first application can be made in late July or early August. This highly concentrated fertilizer should not be used when the soil is dry, because foliage and root burn will result. Be sure that plenty of moisture is available at time of application.

WATERING

The best way to water Mums is to make a saucer-like depression about the plant, lay the hose on the ground, and let the water run slowly. The following day the soil can be loosened up and leveled again. A thorough watering like this should be sufficient for a week or ten days, even during the hottest and driest weather. Sprinkling the plants from overhead should be discouraged, for that invites foliage diseases. By keeping the foliage of Mums as dry as possible, spraying should not be necessary in order to grow a good crop of flowers.

PINCHING

To have sturdy and well-branched plants it is advisable to pinch the terminal shoots once or twice during the season. This operation is done with the thumb and forefinger and consists of removing about ½ inch of the soft growing tip of the main shoots. The first pinching should be done when the plants are about 6 inches tall, to induce lateral branches. When these lateral branches are 8 to 10 inches tall, their tips should be removed to induce more branches. Discontinue pinching by August 1, as the plants will soon be forming buds. The very early-blooming varieties should not be pinched after July 15.

If your Mums are grown in partial shade or in extremely rich soil, they may grow very tall and spindly. To prevent this, one must use harsh treatment. We suggest using the pruning shears and cutting away the top half of the plant. This means that if your plants are 2 feet tall you should cut them back to 1 foot. In the North, this treatment should not be done after July 15 and in the South not later than August 15; otherwise buds will be destroyed. You will be surprised how rapidly the plants will outgrow this cropping and how nicely they will flower. A well-pinched plant will not need staking or other support, since the growth will be strong and sturdy and will stand erect.

BLOOMING TIME

It has been definitely proved that Chrysanthemums are sensitive to light and that the length of day determines the blooming time for a given variety. Since Minnesota is quite far north, where naturally the fall days are shorter than farther south, a given variety will normally bloom 20 days earlier here than in Texas. We are located approximately 200 miles north of Chicago, and we know that the same variety will begin blooming for us four or five days sooner than in Chicago. From this we deduct that perhaps two days for every 100 miles of latitude is about the average difference in blooming time.

Temperature is also a very important factor in the blooming time of Mums. For every day that the temperature is above 90 degrees during the bud-formation period (August and September) of garden Chrysanthemums, the blooming time will be retarded about one day. Hence when we have cool weather in fall, the Mums will bloom early and when we have hot weather the Mums will bloom late. Interesting, isn't it?

MUMS FOR YOUR WINDOW-BOX

When the first light frosts of fall have made your window-boxes unsightly by killing the tender plants in them, you can enjoy the full glory of Mums. These dreary-looking window-boxes can be transformed into a fairyland of color for two or three weeks by simply transplanting Mums from your garden into them. Select low, compact plants in full bud and bloom, dig them carefully and plant directly in the box.

-Mum Culture and Care-

SPRAYING

In order to get the best from your Mums we recommend a simple spray or dusting program to keep your plants free from insects and disease. In gardens with a wide variety of plants that naturally harbor insects and diseases, Mums will need a little attention. Usually the dusts or sprays recommended for roses will control the major Mum troubles. We think three or four dustings or sprayings at two-week intervals are sufficient to produce a good healthy crop of flowers.

The most common insects attacking Mums are aphids, tarnished plant bugs, red spiders and leaf hoppers. The less common ones

are foliar nematodes and grasshoppers.

We have been very successful using a combination spray of Malathion, D.D.T. and Fermate at two-week intervals during the summer. This combination will control all major insects and leaf spots.

We use the following concentrations: 1 tbsp. 25% wettable Malathion to 1 gal. of water 2 tbsp. 50% wettable D.D.T. to 1 gal. of water

tbsp. Fermate to 1 gal. of water

tsp. Dreft to 1 gal. of water for spreader

Foliar nematode is an extremely small insect that lives within the leaf tissue of Mums and causes the foliage to turn brown from the bottom of the plant upward; in severe cases all the foliage will be browned, leaving the naked flowers on the stems. In areas where the foliar nematode is troublesome, we recommend spraying with 15% wettable Parathion at the rate of one tablespoonful to a gallon of water. Although the Parathion is very toxic and somewhat dangerous, it is safe if used according to directions and with caution.

In areas where grasshoppers are troublesome, we recommend using a 45% wettable Chlordane at the rate of 2 tablespoonfuls to a gallon of water. This will also control ants and cutworms.

If you cannot secure good sprays from your local dealer, we are in

a position to supply you with the following:

All Purpose Mum and Rose Spray containing Malathion, D.D.T. and Fermate or Captan, at the following prices:

8 ozs. \$1.50 (a season's supply for 50 plants) Lb. \$1.75 (a season's supply for 100 plants)

Parathion 15% Wettable. Lb. \$1.75. D.D.T. 50% Wettable. Lb. \$1.25. Fermate. ½Ib. \$1.25. Chlordane 45% Emulsion. ½pt. \$1.50.

WINTER PROTECTION

The purpose of winter protection is probably more to keep the cold in the ground than to keep it out. A favorable location, one which does not allow ice and water to stand over the plants, is very necessary. It is the alternate thawing and freezing that does the winter damage to garden Mums. After the tops have been killed by frost, the stems should be cut off 2 to 3 inches above the crown and burned to prevent the spread of foliage disease. We have found that any light, porous material that will remain more or less dry during the winter is ideal for covering. Excelsior, evergreen boughs, marsh hay, and cornstalks are very good if applied after the ground is slightly frozen. Leaves applied and kept dry with a waterproof covering will also make very fine covering.

GROWING LATE-BLOOMING VARIETIES IN THE NORTH

In the far North it is almost impossible to grow and flower the late-blooming kinds in the garden, because heavy October frosts usually spoil the buds. These varieties can easily be enjoyed in the North by digging them up just before hard frosts and planting them in a box or large flower pot. If they are shaded a few days and watered freely, they can be brought into the house or enclosed porch and will be in full bloom for a month or more. Mums are about the only plants we are familiar with, that can be dug from the garden in full bud and bloom, and brought into the house without any noticeable check in growth.

If you find that the color combination of the garden should be changed at blooming time, or you would like a plant in another location, just dig it up carefully, leaving as much soil about the roots as possible, and transfer it to the desired location. It will keep right on growing if water is applied freely. Or, try growing some plants in the vegetable or service garden during the summer. In the fall they can be transplanted to spots left vacant by early annuals.

THE ABC'S OF MUM CULTURE

Appleblossom-time is the beginning of Mum planting time.

Buy "Better-Grown and Sure-to-Bloom" plants.

Close planting will make spindly plants. Give them 18 inches

D.D.T. dust or spray will keep bugs off.

Early varieties give the most and best bloom in the North.

Foliar nematode can be controlled with Parathion.

Give your Mums plenty of water during the summer.

Hoe around the plants regularly to aerate the soil and keep weeds down.

Ice over the crowns during the winter is often fatal.

- July 30 should be the date of the last pinch.

- Kill all major Mum insects with Malathion and D.D.T.

- Light will determine blooming date.

Mums from Minnesota can't be beat.

Nicotine Sulfate (Black Leaf 40) will kill aphis.

Overhead watering is not recommended.

- Pinching keeps plants sturdy and low.

- Quality means Mums from Minnesota.

Reap armloads of flowers from a few well-grown plants.

S - Shade will make plants grow taller and bloom much later.

- Transplant and divide old clumps each spring. T

U - Use peat to improve your soil.

— Valuable information can be obtained from our catalog.

- Winter cover with marsh hay or porous material. W

X-perts say diseased stock should be burned.

You will enjoy our Kodachrome slides on Mums.

Zig-zag planting is more attractive than a single row of Mums.



Our Fall Mum Show

"The Mums are blooming" has become a long-awaited and familiar greeting to thousands of Mum-lovers here in Minnesota and throughout the United States. When the days cool down and the leaves begin to turn, thousands of people all over the country take their scheduled trip to Faribault to see the Mums in all their glory. They are never disappointed, for each year many new varieties have been perfected and placed on display. This year "the Mums were blooming" from September 14 to November 2, and 40,000 people joined us in enjoying this feast of flowers which is set up and maintained entirely for your pleasure and at no cost to you.

Here at The Lehman Gardens in Southern Minnesota you can see 100,000 Mum plants in our large, unprotected fields. During the late fall these fields are transformed into ribbons of colors and are a magnificent sight. However, it is not every year that we are favored with a late fall. To beat the elements, we have constructed ten very large beds in which we grow five plants each of over 500 varieties. These beds are protected and maintained through the entire show. Here you can see all varieties blooming side by side and can check heights, blooming dates, etc. Our very first varieties begin to bloom about mid-August. By mid-September a great many of the earlier kinds are in full bloom. Between September 25 and October 10 is usually when the flowers are at their best. We suggest that you come at the time you would want your Mums in full bloom and check the varieties that are in full bloom at that time. Also in these outdoor beds are many of our seedlings—the Mums of Tomorrow—in different stages of selection. Each

variety that is selected from a planting of seedlings is grown and tested for four or five seasons to be sure it is worthy of naming and introduction.

In case of bad weather (and we have it in Minnesota), we maintain a bounteous display of Mums in our five greenhouses. The first two greenhouses are replete with rows of tables running the full length of the buildings. On these are displayed thousands and thousands of beautiful Mum plants in every conceivable color. A sign advising "Don't Miss This!" directs one to the third greenhouse. Here, indeed, is a breathtaking sight! The entire greenhouse has been transformed into an outdoor living room. A graveled path winds its way around a pool with sprays of bubbling water and floating Mum blossoms, past huge beds of Mums of all colors to the east entrance where tall cornstalks surrounded with pumpkin give a festive autumn air to the scene. Placed at intervals along the garden path are gaily striped canvas-covered love seats where one may relax and enjoy the beauty of the place. Nearly 3000 Mums have been planted on the three levels. The effect is startling, for great care has been exercised in the blending of harmonizing colors. All varieties are labeled, and many folks come each fall to pick out their varieties for the next season.

No matter the day or the weather—any time between September 15 and November 1 is the time to come to see the Mums. The display is maintained entirely for your pleasure, and we hope you, too, can come when "the Mums are blooming."

KODACHROME SLIDES

We have a set of Kodachrome Slides of Mums that makes an excellent free program for garden clubs, flower societies, study groups or church organizations. We gladly lend them to any reliable group entirely free of charge. This set contains more than 100 group entirely free of charge. This set contains more than 100 35 mm. or 2-inch kodachrome slides, all about Mums. Pictures included are individual flowers, borders, garden and field scenes, and beautiful artistic arrangements—all in full color. A short descriptive text accompanies the slides, which makes the showing time about one hour. The organization using the pictures need only supply the screen and projector.

If your group would like these slides for a future program, write us at least 30 days in advance, specifying the date of your meeting, and, if possible, an alternate date. You will receive a confirmation of your reservation. The slides will be mailed to reach you ahead of your meeting. We ask that you return them promptly, so that the next group may get them on time. Labels and postage for returning them will be supplied by us.

We are sure that your organization would enjoy a program on Mums. For your reservation write to

E. C. LEHMAN, The Lehman Gardens, Faribault, Minn.

Here is what people who have seen the slides have told us:

Decatur, Texas. Thank you for the use of your kodachrome slides. Words cannot express just how much we really did enjoy them. The women of the Garden Club expressed themselves as feeling that they had taken a walk through your gardens. I had some ladies visit me last night. We looked at the slides three times, trying to decide the ones we would like most to have in our own yard. We would like to say just send one of each kind.—Mrs. F.P.M.

Boonville, Ind. These slides provided our Garden Club with one of the most interesting and enlightening programs of the year. Your Company should be congratulated upon making such material available. One could not sit through such a beautiful series of pictures and not receive an inspiration to plant more and better Mums,—Mrs. J.W.H.

Lebanon, Tenn, Let me thank you for a most enjoyable afternoon. Your kodachrome slides were shown to our garden club, and I've never seen more beautiful slides nor such gorgeous colors. They certainly inspired me to try growing some Mums, which is a new field for me.—Mrs. S.B.McF.

Mums, which is a new field for me.—Mrs. S.B.McF.

Clark Lake, Micb. Our Garden Club would like to express their gratitude for the use of your kodachrome slides on Mums. The members enjoyed the beauty of the flowers and it made for a very interesting meeting and lesson. This is a very fine service which you render and very helpful.—Mrs. A.G.S.

Midland, Texas. We showed the slides at our club meeting last night and they were thoroughly enjoyed. We planned our program around them and it seemed to be a complete success. We all remarked that if we ever were in the vicinity of your gardens we wouldn't pass up an opportunity to visit you.—E.E.

PART OF OUR INDOOR SHOW



What Other People Say

The thing about our business that we cherish most is the good-will of our thousands of friends and customers. These spontaneous expressions of appreciation fill us with a renewed desire to improve upon our methods and to strive to produce even better plants and flowers that will give greater pleasure to your gardening. It is your confidence and patronage that has made possible this modern plant, devoted to producing sure-to-bloom garden Mums.

We wish to take this opportunity to thank you, our friends, for your kind words of appreciation.

Sincerely yours,

E. C. LEHMAN

Chicago, Ill.

I must comment that your Company issues the most beautiful catalog that I have ever seen. It's irresistible. When I received a second copy this spring, I sent it to a friend in Philadelphia who grows flowers.—Mrs. J.H.C.

Idaho Falls, Idaho

Two years ago I ordered some Mums for a gift for my Mother. Using your special delivery service, they arrived so quickly they were still dewy-fresh in spite of the distance. They all lived and are a wonderful picture at blooming time. We also appreciate your detailed listings, because we can select the right Mums for our short growing season. I'm enclosing an order for myself. They are just what I need in front of my new home.—Mrs. O.McG.

Kansas City, Mo.

Thank you for the nice free Mums I receive with my orders. I have been ordering from you for the last five years and as yet I have never received a wilted plant.—E.B.

Hawick, Minn.

I want to thank you for the gratis plants and the wonderfully healthy Mums which came in my first order yesterday. I have never received such splendid-looking plants from anyone before. Thanks again.—Mrs. C.T.

Galloway, Obio

I must tell you the Mums came in fine shape and I was surely tickled over them. Your plants have such wonderful roots and came so far in such wonderful condition. Believe me, you will get my orders from now on.—Mrs. H.C.

Winston-Salem, N.C.

The Mum plants I received from you are the best I have ever received from any nursery in the U. S. A. You will get all my orders in the future. This is my third order this spring and I am looking forward to doing business with you again next spring.—Mrs. O.M.H.

South Hero, Vt.

We have enjoyed your plants for many years. Yours is certainly one of the finest packing systems in the country. The plants arrive here in perfect condition.—Mrs. B.R.H.

Stoughton, Mass

The Chrysanthemum plants you mailed arrived here yesterday in very good condition. I never received anything that was packed better. Good strong plants, and still moist in their individual containers. Thank you very much for the extras. I never expected anything like that and am I pleased.—H.M.C.

Ellensburg, Wash.

I'm writing to thank you for the beautiful plants I got from you last spring and the generous free ones you sent me. They were the most beautiful plants and are still giving an abundance of bloom although we have had a temperature of 24 degrees and an inch of snow. I will be ordering more plants next spring and am telling everyone where I got mine. Thanks again, I am so happy with these beautiful and hardy Mums.—Mrs. D.D.S.

Middleton, Wis.

In fifteen years of gardening, I have never had more beautiful flowers than from the Chrysanthemum plants I ordered from you last spring.—Mrs. E.C.S.

Hatton, N. Dak.

Last spring I ordered a collection of Mums from you and I want you to know that we have had wonderful success with them. We have a bed at the southwest corner of our house and they have been a blaze of color since the last days of August. We have had so many of our friends come to see this lovely array of bloom.—Mrs. G.M.O.

Sapulpa, Okla.

Thank you so much for the fine order of Mums I received from you late last week. Such wonderful plants. They were all nice large husky plants and perfect.—Mrs. E.O.P.

Mt. Juliet, Tenn

The "Mums from Minnesota" that I ordered this spring are truly what you said they would be and more than that—they are the most beautiful Mums I have ever seen or had the pleasure of growing. The frost did not damage them; they just kept right on blooming as though nothing had happened. I want you to know that I am very pleased and happy with my Mums, and I look forward to ordering more "Mums from Minnesota" in the spring.—M.B.

Albuquerque, N. M.

Our Mums came in excellent condition. Perfectly packed and strong healthy plants. Hats off to you! We don't know how you can do such a good job for so little as the check enclosed.—P.O.B.

Amory, Miss.

I must tell you that my Mums are truly a delight. All bloomed as you said and I have never seen such bright, rich, constant colors. I have really reveled in them.—Mrs. J.E.I.

Goodview, Wash.

The Mums I ordered a couple of years ago have been wonderful. I have gotten prizes at the local fairs with them—besides the personal enjoyment of them, the part that cannot be measured.—Mrs. E.McK.

Whitaker, Penna.

We grow only garden Mums and grow them well. You may well feel justified in that statement, for they continue to grow well. Really fine plants and I have had experience with those from many nurseries. Vigorous, rugged growers, they require no pampering to produce abundant, beautiful bloom.—J.J.McC.

Stamford, Conn

We received the Mums just at the best time and in perfect condition. They are the nicest I have ever received from anywhere. All are planted and growing well. Thanks for the extras.—Mrs.J.R.S.

Highland Park, Mich.

I do want to tell you how beautiful my Mums were last year. I had a yard full of color and even rated a write-up in our *Detroit News*. Most of my plants are from your gardens and I have always been more than pleased with each new one I received. Keep up the good work of giving us strong and lovely plants.—Mrs. H.J.L.

Salem Va

Received my order in perfect condition and was delighted with the two extra Mums. Each little plant arrived as fresh and green as the day it was packed. It is a great pleasure to do business with a firm that takes such pains to see their nursery stock reaches the customer in perfect condition.—F.B.

CLEMATIS

Since the introduction of the large-flowered hybrid varieties from Europe, the Clematis is rapidly becoming one of the leading vines in America. These new hybrids have spectacular flowers and glorious colors. Most of them are practically everblooming. They can be grown on trellises, arbors or posts, or can be left to ramble over an old stump or rock wall.

We find that an east or south exposure is best. They prefer a rich soil and can take a lot of water, provided the drainage is perfect. There are no insects or diseases that trouble Clematis in the North. They are perfectly hardy and make excellent cut flowers. Planting can be done in the spring. The plants we send out are one year old, pot grown, and should be planted 3 to 4 inches deeper than they were in the pot. This is important, and perhaps the reason for many failures with Clematis is too shallow planting. Our collection now consists of over 50 varieties, and we are herewith listing some of the most spectacular and easy-to-grow kinds.

COMTESSE DE BOUCHAUD. In our estimation the closest approach to clear pink of all the hybrid Clematis. The color is a clear satiny rose. Flowers in abundance from July until September. Neat growing habit, up to 7 to 8 feet. \$1.75.

CRIMSON STAR. We think this is the finest of all hybrid red Clematis. Large, clear crimson flowers with pointed petals. Very free flowering, blooming from July to September. The variety we offer is true Crimson Star. \$1.75.



HYBRID CLEMATIS

DUCHESS OF EDINBURGH. Double, gardenia-like, creamwhite flowers with a chartreuse overcast. Very unique and desirable. In bloom from mid-July on. \$2.00.

ERNEST MARKHAM. A very strong-growing Clematis in red shades. Petals wide, rounded at the ends, of bright cerise-red. Perhaps the best of all the light reds. July blooming. \$1.75.

FAIRY QUEEN. The finest white in our collection. Large, wide-petaled flowers 7 inches across; pure white with a pearl overcast. In bloom from June to September. Sturdy growth to 10 feet in height. \$1.75.

HENRYI. The giant among white Clematis. Large, paper-white, long-pointed petals and chocolate-brown anthers. In bloom from July to frost. Vigorous growth, 8 to 10 feet. \$1.75.

JACKMANI. The most popular Clematis in America. Seen throughout the length and breadth of the land with its masses of four and five-petaled, deep purple flowers in July. Extremely vigorous and hardy. 8 to 10 feet. \$1.50.

JACKMANI SUPERBA. A new hybrid that is larger and deeper colored than Jackmani. A splendid addition to the deep purple class. Rich velvety deep purple in color, and in bloom most of the summer. Height to 8 feet. \$1.75.

LADY BETTY BALFOUR. This is the finest deep blue in our collection. Color is a very velvety deep navy-blue with a center of white anthers. Very vigorous and free flowering. Plant Lady Betty Balfour and you plant the best in deep blue Clematis. Height to 12 feet. \$1.75.

LANUGINOSA CANDIDA. Large flowers of the purest white, abundantly produced from midsummer to frost. Plant vigorous and sturdy, climbing to 10 feet. \$1.75.

M. KOESTER. An extremely vigorous and free-blooming mauvepink. In bloom from midsummer to frost. Sturdy growth to 10 feet. \$1.75.

MME. BARON VEILLARD. An extremely vigorous and satisfactory pink Clematis. Color is a clear lilac-rose, becoming much deeper in the fall as the days become cooler and shorter. In continuous bloom from June to September. Very sturdy growth from 10 to 12 feet. \$1.50.

MME. CHOLMONDELEY. An extremely early-flowering variety of wisteria or delphinium-blue. In bloom from June to September, on moderately vigorous plants to 8 feet. \$1.75.

MME. EDOUARD ANDRE. One of the older red Clematis, with smaller flowers on moderately vigorous plants. \$1.50.

NELLY MOSER. The very earliest of all Clematis to bloom. The first flowers usually appear right after the Darwin tulips bloom and continue most of the summer. Color pale mauve-pink with a red stripe down the center of each petal. Moderate growth to 8 feet. \$2.00.

PANICULATA. Quantities of small, fragrant, star-shaped white flowers. Very popular and widely grown. 15 to 18 feet. Blooms in September and October. \$1.50.

PRESIDENT. One of the most gorgeous of the deep rich reddish plum-colored varieties. Flowers are large, with extremely pointed petals and brilliant color. Moderate growth up to 7 to 8 feet. June. \$1.75.

RAMONA. Our favorite of all the medium blue Clematis. Flowers exceptionally large (6 to 8 inches across), with wide, heavy-textured petals. Free and dependable bloomer from July until frost. Plant vigorous, climbing to 10 feet. \$1.75.

SPOONERI ROSEA. An abundance of deep appleblossom-pink flowers on plants which reach 10 to 15 feet. Must not be pruned, for the flowers are produced on two-year-old wood. \$1.50.

VILLE DE LYON. Very free-flowering carmine-red with darker stripe in the center of each petal. Blooms from July to September and grows to a height of 8 to 10 feet. \$1.75.

PASSIFLORA (Passion-Vine)

One of our hobbies over the years has been collecting and growing these exotic and interesting vines. If they are planted out in the spring and given rich soil, abundant moisture and a sunny spot, they will provide a succession of bloom all summer long. They are not hardy in the North, so they must be treated as annuals or taken indoors for the winter. They can also be grown in large pots sunk into the ground for the summer. A vine in flower will create much interest among your gardening friends. Our plants are large, one-year old vines that are sure-to-bloom within a month after planting.

CAERULEA. Large, showy, fragrant flowers with lavender-pink petals and purple crown with white corona. The most spectacular Passiflora. Sturdy plants. \$1.50.

INCARNATA (Maypop). Greenish white petals and blue-purple filaments. The easiest to grow and most free flowering. \$1.50.

MARCEL. A curious hybrid with lilac-pink petals and light blue, crinkled filaments. Extremely fragrant. \$1.50.



YELLOW AVALANCHE. 50c each; 3 for \$1.25



AUTUMN BEAUTY. 50c each; 3 for \$1.25



CHIPPEWA. 50c each; 3 for \$1.25

7 SUMMER BLOOMING MUMS

A selection of good early-flowering Mums that always beat the early fall frosts. Very dependable varieties.

7 Sure-to-Bloom Plants

\$3.30



ADORABLE. 75c each; 3 for \$2.00



WENONAH. 60c each; 3 for \$1.50



VULCAN. 75c each; 3 for \$2.00





MURIEL RICE. 75c each; 3 for \$2.00



BUTTERSCOTCH. \$1.00 each; 3 for \$2.50



HOLIDAY. 75c each; 3 for \$2.00

6 BIG FLOWER COLLECTION

All have very large flowers for garden Mums and all are early blooming. Flowers up to 5 inches if disbudded.

6 Sure-to-Bloom Plants

\$3.90



APACHE. 75c each; 3 for \$2.00





PATRICIA LEHMAN. 60c each; 3 for \$1.50